

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_8 ~ C1216XT-30LXXK-WDEX-TCY-GLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00629_8
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 9/20/2017
[UPDATE] 4/9/2018
[LUMCAT] C1216XT-30L-xxK-WD-EX-TCY-GL
[LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
[OTHER] Internal Reflector, Wide Beam
[OTHER] Clear Glass Lens, Flush with Lower Trim
[OTHER] 40.2 Degree Beam Angle
[OTHER] Aimed at 0 Degrees
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2777
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.70
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25794	30327	26987
55	6261	6018	6055
65	6246	6472	6588
75	8228	9109	9250
85	7930	10661	8980

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686
5	4197.209	4245.220	4240.207	4228.981	4159.612	4045.790	4009.558	3911.472	3887.332	3815.928
10	3711.272	3804.345	3784.458	3791.973	3673.336	3514.724	3471.468	3332.284	3293.924	3192.952
15	3020.692	3123.869	3092.064	3122.291	3005.833	2847.901	2822.610	2683.897	2647.609	2544.139
20	2293.602	2387.296	2349.162	2381.949	2277.590	2140.910	2134.998	2021.915	1997.822	1912.693
25	1640.526	1711.364	1670.811	1696.813	1632.161	1535.949	1536.016	1460.458	1446.274	1385.421
30	1182.380	1222.504	1200.033	1218.031	1188.601	1133.621	1136.449	1094.972	1089.375	1054.565
35	938.273	965.812	948.326	966.261	938.023	902.193	911.494	866.218	865.744	821.425
40	654.500	713.967	702.050	743.187	668.841	580.918	576.633	507.478	497.432	443.947
45	260.242	300.737	305.979	290.646	272.272	208.451	188.536	163.074	154.500	135.268
50	72.715	86.115	70.862	75.742	66.016	64.099	64.636	59.386	55.365	55.003
55	51.241	49.556	49.247	49.107	49.550	52.629	50.544	53.480	50.450	50.944
60	43.812	43.110	43.275	41.105	42.849	46.634	47.235	48.403	47.568	47.265
65	37.662	39.537	39.025	39.805	39.728	43.847	46.327	45.093	42.324	43.752
70	33.854	35.421	35.336	33.941	36.149	45.136	43.759	45.847	42.858	45.756
75	30.385	35.522	33.640	31.933	34.158	44.218	43.698	45.212	43.455	43.829
80	23.344	26.509	26.375	24.791	26.185	39.147	38.596	36.496	39.550	38.106
85	9.862	13.282	13.257	13.900	11.167	25.813	25.923	24.827	24.756	23.921
90	2.167	1.654	1.954	1.218	2.310	15.136	10.730	13.491	13.963	13.851
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686	4262.686
5	3843.058	3835.020	3933.750	4051.031	4083.685	4168.723	4197.209
10	3219.419	3198.982	3325.019	3482.931	3526.157	3672.254	3711.272
15	2573.920	2542.380	2658.212	2804.237	2837.831	2984.700	3020.692
20	1935.850	1918.543	2007.222	2133.363	2151.246	2273.229	2293.602
25	1389.154	1378.465	1438.134	1534.090	1540.743	1629.769	1640.526
30	1052.674	1041.345	1070.449	1125.459	1127.315	1174.605	1182.380
35	854.829	806.666	873.601	907.571	901.802	941.359	938.273
40	454.007	445.516	498.819	578.730	588.122	652.418	654.500
45	110.875	123.484	124.581	193.180	210.564	247.995	260.242

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50	59.051	58.431	59.290	66.871	60.279	73.121	72.715
55	49.452	51.280	52.754	48.596	48.712	50.722	51.241
60	45.592	47.052	46.905	43.861	41.445	44.851	43.812
65	45.124	45.010	44.168	39.370	39.230	39.659	37.662
70	44.798	44.071	43.165	34.328	34.374	34.261	33.854
75	43.232	41.807	43.255	31.508	29.843	31.301	30.385
80	37.703	36.755	39.492	23.505	25.311	23.932	23.344
85	23.605	24.593	24.826	9.003	10.043	10.476	9.862
90	10.843	15.454	9.380	1.696	1.609	2.027	2.167
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1154.78	N.A.	41.60
0-30	1879.2	N.A.	67.70
0-40	2425.82	N.A.	87.40
0-60	2673.68	N.A.	96.30
0-80	2754.29	N.A.	99.20
0-90	2774.75	N.A.	99.90
10-90	2405.73	N.A.	86.60
20-40	1271.04	N.A.	45.80
20-50	1471.59	N.A.	53.00
40-70	289.60	N.A.	10.40
60-80	80.61	N.A.	2.90
70-80	38.87	N.A.	1.40
80-90	20.46	N.A.	0.70
90-110	2.01	N.A.	0.10
90-120	2.01	N.A.	0.10
90-130	2.01	N.A.	0.10
90-150	2.01	N.A.	0.10
90-180	2.01	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2776.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	369.03
10-20	785.76
20-30	724.42
30-40	546.62
40-50	200.55
50-60	47.30
60-70	41.74
70-80	38.87
80-90	20.46
90-100	2.01
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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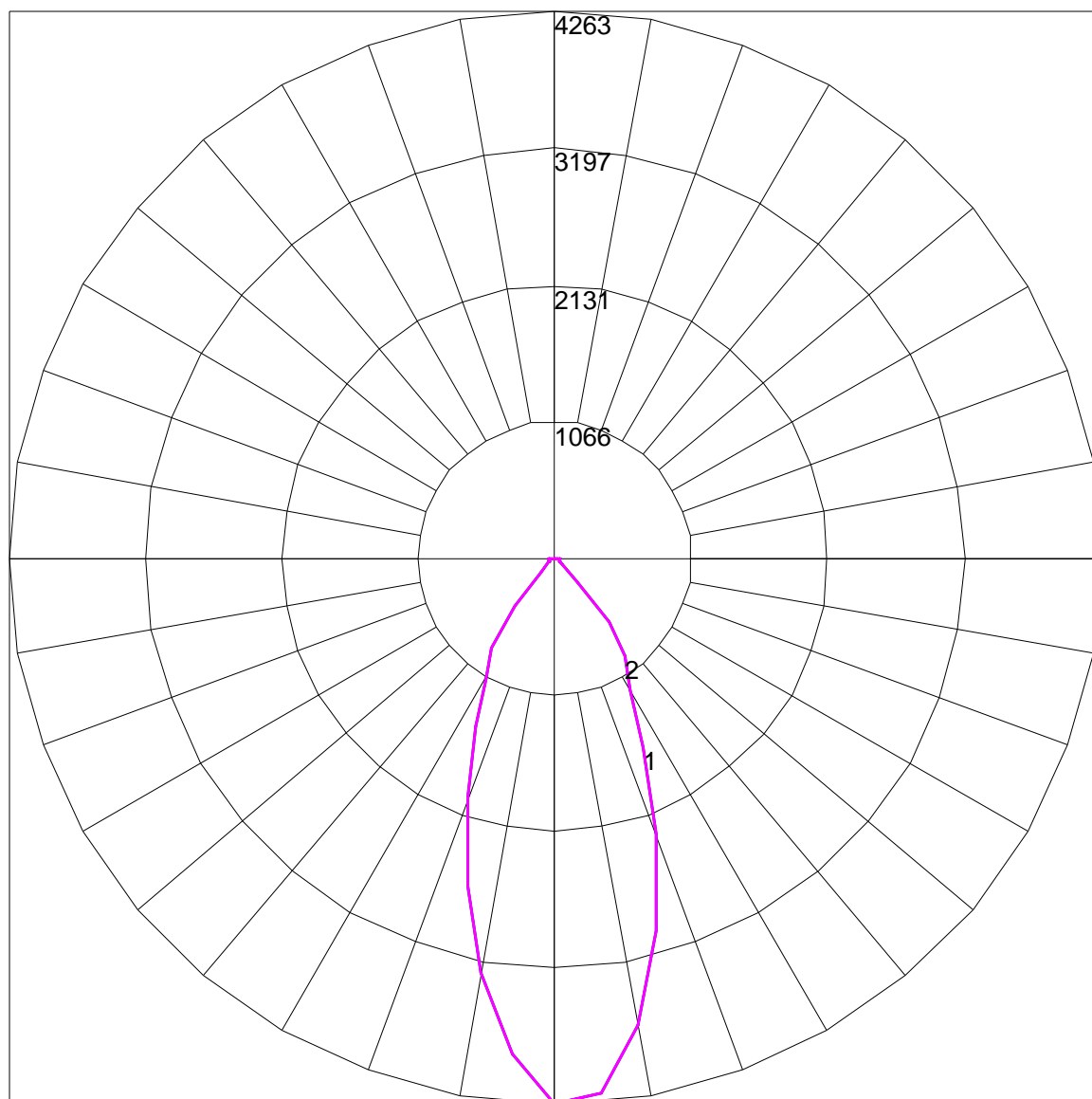
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

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POLAR GRAPH



Maximum Candela = 4262.686 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)